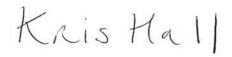
APR 2.5 2003





Monroe Energy, L.L.C. 4101 Post Road Trainer, PA 19061 (610) 364-8000

April 8, 2016

Mr. James Rebarchak
Air Quality Program
Commonwealth of Pennsylvania
Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE:

Monroe Energy, LLC – Trainer Refinery
First Quarter (1Q2016) PADEP VOC Fugitive Monitoring Report
Title V Operating Permit No. 23-00003

Dear Mr. Rebarchak:

As required by Pennsylvania Code, Title 25, §129.58(f), the Monroe Energy, LLC (Monroe Energy) Trainer Refinery hereby submits the VOC Fugitive Emissions Monitoring Report for the period of January 1, 2016 thru March 31, 2016.

This report consists of the following documents:

- Compliance Monitoring Summary Pennsylvania Title 25, Section 129.58.
- Compliance Repair Delay List Pennsylvania Title 25, Section 129.58.
- Compliance Report Repair Delayed History Components Repaired During Report Period, Pennsylvania Title 25, Section 129.58.
- Compliance Report Components Added and Deleted During Report Period, Pennsylvania Title 25, Section 129.58.

As required by the Consent Decree H-05-0258, paragraph 236, Monroe Energy is hereby notifying the Department that the report leak rates contained herein for valves and pumps are those applicable regulatory leak definitions defined in Pennsylvania Code, Title §129.58(a).

During the reporting period, all components were monitored in accordance with Monroe Energy's Alternate LDAR Plan Monitoring Schedule and no late repairs were recorded. Also, per the aforementioned Consent Decree, all valves with a leak rate of over 10,000 ppm that required a Drill and Tap were successfully repaired to a leak rate less than 500 ppm and were not placed on Delay of Repair list.

Mr. James Rebarchak April 8, 2016 Page 2

Subject to the penalties of Title 18 Pa. C.S. Section 4904 and 35 P.S. Section 4009 (b) (2), I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained herein are true, accurate, and complete.

Should you have any questions or comments regarding this report, please contact Stephani Ski Szymanski, Environmental Engineer and Program Lead, at (610) 364-8073.

HW 1/-

Warmann

EO & President

Enclosures

cc: Office of Air Enforcement & Compliance Assistance (3AP20)

U.S. EPA Region III 1650 Arch Street

Philadelphia, PA 19103-2029

FedEx

MONROE ENERGY TRAINER REFINERY 1Q2016 PADEP QUARTERLY LDAR REPORT ON DELAY OF REPAIR COMPONENTS

REPORT DATE: APRIL 8, 2016

REPORT COMPLIANCE PERIOD: JANUARY 1 TO MARCH 31, 2016

PUMP	PENREF COMPLIANCE GROUP	P CLASS	MONTH	MONITORED	LEAKED	LATE
PUMP	543 CRUDE					
PUMP 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		PUMP	1	4	0	0
PUMP 3 4 0 0 0 0 0 0 0 0 0						
RELIEF 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
VALVE 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
VALVE 2 1,071 0 0 0						
PUMP						
PUMP				1,097	0	0
PUMP 1 15 0 0 0 PUMP 2 15 0 0 0 PUMP 3 15 0 0 0 PUMP 3 15 0 0 0 RELIEF 2 8 0 0 0 VALVE 1 11 0 0 0 VALVE 2 1,170 2 0 VALVE 3 13 0 0 0 VALVE 3 13 0 0 0 VALVE 3 13 0 0 0 VALVE 3 13 13 0 0 0 VALVE 3 13 13 0 0 0 VALVE 1 1 1 1 0 0 0 PUMP 1 2 0 0 0 PUMP 2 2 2 0 0 0 PUMP 3 2 0 0 0 RELIEF 1 1 1 1 0 0 0 RELIEF 1 1 1 1 0 0 0 RELIEF 2 7 0 0 0 RELIEF 2 7 0 0 0 RELIEF 3 1 1 0 0 0 VALVE 1 1 1 0 0 0 VALVE 1 1 1 0 0 0 VALVE 2 392 0 0 0 ALKY ALKY PUMP 1 2 28 0 0 0 RELIEF 2 3 30 0 0 RELIEF 2 38 0 0 0 RELIEF 3 3 1 0 0 0 VALVE 1 1 1 0 0 0 VALVE 1 1 1 0 0 0 RELIEF 2 380 0 0 0 RELIEF 2 380 0 0 0 RELIEF 2 380 0 0 0 VALVE 1 1 12 0 0 0 VALVE 2 3,405 5 0 0 VALVE 3 79 0 0 0 AMINE PUMP 2 3,618 5 0 RELIEF 2 0 0 0 RAMINE	544 CRUDE					-
PUMP 2 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		PUMP	1	45	121	
PUMP 3 15 0 0 RELIEF 2 8 0 0 VALVE 1 111 0 0 VALVE 2 1,170 2 0 VALVE 3 13 0 0 ***TAN THE PUMP 1 2 0 0 PUMP 2 2 2 0 0 PUMP 3 2 0 0 PUMP 3 2 0 0 RELIEF 1 1 1 1 0 0 RELIEF 3 1 1 1 0 0 VALVE 1 1 1 1 0 0 VALVE 2 3 3,405 5 0 VALVE 3 79 0 0 VALVE 1 1 1 1 0 0 0 VALVE 2 2 3,405 5 0 0 VALVE 3 79 0 0 0 VALVE 3 79 0 0 0 VALVE 2 3 3,618 5 0 0 VALVE 2 3 3,618 5 0 0 VALVE 3 79 0 0 0 0 VAL						
RELIEF 2 8 0 0 0 1 1 1 1 0 0 0 1 1 1 1 1 0 0 0 1 1 1 1 1 1 0 0 0 1						
VALVE 1 11 0 0 0 VALVE 2 1,170 2 0 VALVE 3 13 0 0 0 **TACAT** **TACAT** **PUMP*** **PUMP** **PUMP*** **PUMP**						
VALVE 2 1,170 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
VALVE 3 13 0 0 0 1,247 2 0 1,247 2 0 S44 VACUUM PUMP 1 2 0 0 0 PUMP 2 2 2 0 0 0 PUMP 3 2 0 0 0 RELIEF 1 1 1 1 0 0 0 RELIEF 3 1 0 0 0 VALVE 1 1 0 0 0 VALVE 1 1 0 0 0 VALVE 2 392 0 0 ALKY PUMP 2 2 28 0 0 0 ALKY PUMP 1 28 0 0 0 PUMP 2 0 0 0 ALKY PUMP 2 2 28 0 0 0 PUMP 3 0 0 0 RELIEF 2 388 0 0 0 RELIEF 3 3 79 0 0 0 RELIEF 3 3 70 0 0 RELI						0
1,247 2 0						0
PUMP		VALVE	3	13	0	0
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PUMP 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	544 VACUUM					
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RELIEF 2 7 0 0 0 RELIEF 3 1 1 0 0 0 VALVE 1 1 1 0 0 0 VALVE 2 392 0 0 ALKY PUMP 1 28 0 0 0 PUMP 2 28 0 0 0 PUMP 3 28 0 0 0 PUMP 3 28 0 0 0 RELIEF 2 38 0 0 0 RELIEF 3 3 79 0 0 0 AMINE AMINE						
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PUMP 2 28 0 0 0 PUMP 3 28 0 0 0 RELIEF 2 38 0 0 0 VALVE 1 12 0 0 0 VALVE 2 3,405 5 0 VALVE 3 79 0 0 0 AMINE PUMP 1 1 1 0 0 0 PUMP 2 2 0 0 0	0.5000	PUMP	•	20		
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RELIEF 2 38 0 0 0 VALVE 1 12 0 0 0 VALVE 2 3,405 5 0 VALVE 3 79 0 0 AMINE PUMP 1 1 1 0 0 0 PUMP 2 2 2 0 0 0						
VALVE 1 12 0 0 VALVE 2 3,405 5 0 VALVE 3 79 0 0 AMINE PUMP 1 1 0 0 0 PUMP 2 2 2 0 0 0						
VALVE 2 3,405 5 0 VALVE 3 79 0 0 3,618 5 0 AMINE PUMP 1 1 0 0 0 PUMP 2 2 2 0 0 0						
VALVE 3 79 0 0 3,618 5 0 AMINE PUMP 1 1 1 0 0 0 PUMP 2 2 2 0 0 0						
3,618 5 0 AMINE PUMP 1 1 0 0 0 PUMP 2 2 2 0 0 0						
AMINE PUMP 1 1 0 0 PUMP 2 2 0 0			-	4.4	U	U
PUMP 1 1 0 0 PUMP 2 2 0 0 0				3,618	<u>5</u>	<u>0</u>
PUMP 2 2 0 0	AMINE					
PUMP 2 2 0 0			1	1	0	0
DIMP						
		PUMP	3			

	RELIEF	1	6	0	0
	VALVE	1	348	0	0
	VALVE	2	8	0	0
	VALVE	3	8	0	0
			<u>375</u>	<u>o</u>	<u>o</u>
AWWTP					_
	VALVE	1	140	0	0
			140	<u>0</u>	<u>0</u>
BLEND			2.2	<u>u</u>	ū
DELITO	PUMP		16	2	
	PUMP	1	16	0	0
	PUMP	2	16	0	0
	RELIEF	3	16	0	0
	VALVE	1 1	16 1,261	0	0
					Ü
			1,325	<u>0</u>	<u>0</u>
BOILER					
	RELIEF	2	1	0	0
	RELIEF	3	1	0	0
	VALVE	2	78	0	0
	VALVE	3	78	0	0
			<u>158</u>	<u>o</u>	<u>o</u>
BOILERS 9 & 10					
	RELIEF	3	4	0	
	VALVE	1	2	0	0
	VALVE	2	431	1	0
	VALVE	3	431	0	0
			868	<u>1</u>	<u>o</u>
BUTANE				-	-
BUTAINE	DELLEG	No.			
	RELIEF VALVE	2	7	0	0
	VALVE	2	298 1	1	0
	5.53334554	,		0	0
			306	1	<u>0</u>
DESALT					
	PUMP	1	10	0	0
	PUMP	2	10	0	0
	PUMP	3	10	0	0
	RELIEF	1	12	0	0
	VALVE	1	815	0	0
	VALVE	2	2	0	0
			859	<u>0</u>	<u>o</u>
DIESEL					
	PUMP	1	11	0	0
	PUMP	2	11	0	0
			SSATA		U

	PUMP	3	11	0	0
	RELIEF	1	9	0	0
	VALVE	1	792	1	0
	VALVE	2	1	0	0
	VALVE	3	1	0	0
			926	-	
			836	<u>1</u>	0
FCC					
	PUMP	1	19	0	0
	PUMP	2	23	0	0
	PUMP	3	23	0	0
	RELIEF	2	25	0	0
	RELIEF	3	2	0	0
	VALVE	2	1,965	1	0
	VALVE	3	111	0	0
			2,168	<u>1</u>	<u>0</u>
Text to make			<u> </u>	-	2
FLARE					
	PUMP	1	3	0	0
	PUMP	2	3	0	0
	PUMP	3	3	0	0
	VALVE	1	3	0	0
	VALVE	3	221	0	0
			233	<u>o</u>	<u>0</u>
FLARE GAS RECOVERY					1000
TEARE GAS RECOVERT	PUMP	9			
	PUMP	1	6	0	0
	PUMP	2	7	0	0
	RELIEF	3 1	7	0	0
	VALVE	1	20	0	0
	VALVE	2	1,043 10	0	0
	VALVE	3	1,053	0	0
		,	1,055	0	0
			2,146	<u>o</u>	<u>0</u>
ISOCRK					
	COMPR	1	1	0	0
	COMPR	2	1	0	0
	COMPR	3	1	0	0
	PUMP	1	18	0	0
	PUMP	2	18	0	0
	PUMP	3	18	0	0
	RELIEF	1	57	1	0
	RELIEF	2	2	0	0
	RELIEF	3	1	0	0
	VALVE	1	3,112	2	0
	VALVE	2	13	0	0
	VALVE	3	17	0	0
			3,259	<u>3</u>	<u>o</u>
				=	<u>∪</u>

	PUMP	1	9	0	0
	PUMP	2	9	0	0
	PUMP	3	9	0	0
	RELIEF	1	31	0	0
	VALVE	1	1,520	0	0
			101120001		
			<u>1,578</u>	<u>o</u>	<u>0</u>
LOWLN					
	PUMP	1	6	0	0
	PUMP	2	6	0	0
	PUMP	3	6	0	0
	RELIEF	1	6	0	0
	VALVE	1	577	0	0
			3C(50)		U
			601	<u>o</u>	<u>o</u>
			Account of	<u> </u>	2
MARINE					
	RELIEF	2	8	0	0
	VALVE	2	185	0	0
			<u>193</u>	<u>o</u>	<u>0</u>
NAPHTH					
NAPHIH					
	PUMP	1	16	0	0
	PUMP	2	16	0	0
	PUMP	3	16	0	0
	RELIEF VALVE	3	13	0	0
	VALVE	1 2	2	0	0
	VALVE	3	2	0	0
	***************************************	3	1,506	3	0
			1,571	<u>3</u>	0
			2,372	3	<u>o</u>
PLATFO					
	COMPR	1	1	0	0
	COMPR	2	ī	0	0
	COMPR	3	1	0	0
	PUMP	1	10	0	0
	PUMP	2	10	0	0
	PUMP	3	10	0	0
	RELIEF	3	30	0	0
	VALVE	1	5	0	0
	VALVE	2	5	0	0
	VALVE	3	2,182	0	0
			2,258	<u>0</u>	<u>0</u>
PRORCL					
	PUMP	1			2
	PUMP	2	1	0	0
	PUMP	3	1	0	0
	RELIEF	3	1 3	0	0
	VALVE	1	1	0	0
	VALVE	2	1	0	0
	VALVE	3	313	2	0
	00000000000000000000000000000000000000			σ.	0

			<u>321</u>	<u>2</u>	<u>o</u>	
PROREC						
	RELIEF	2	45			
	VALVE	2	12	0	0	
	VALVE	3	644 1	0	0	
			•	Ü	0	
			657	<u>1</u>	<u>o</u>	
			and the same of th	⊗ =	<u> </u>	
PROSTO						
	PUMP	1	6	0	0	
	PUMP	2	6	0	0	
	PUMP	3	6	0	0	
	RELIEF	1	21	0	0	
	VALVE VALVE	1	540	1	0	
	VALVE	2	2	0	0	
		**			0	
			582	1	<u>o</u>	
				-	× ×	
REFORM						
	PUMP	1	8	0	0	
	PUMP	2	8	0	0	
	PUMP	3	8	0	0	
	RELIEF VALVE	2	11	0	0	
	VALVE	2	825	0	0	
	VALVE	3	14	0	0	
			874	2	822	
			874	<u>o</u>	<u>o</u>	
SOUR						
	RELIEF	2	2	0	0	
	VALVE	2	53	0	0	
			<u>55</u>	<u>o</u>	<u>o</u>	
SOUTH TANK FARM						
	RELIEF	3	6	0		
	VALVE	3	82	. 0	0	
			-57	50 MV	J	
			88	<u>o</u>	<u>o</u>	
CDII			inger 200		_,	
SRU						
	RELIEF	1	3	0	0	
	VALVE	1	78	0	0	
	VALVE	2	2	0	0	
			<u>83</u>	0	0	
			93	<u>0</u>	<u>o</u>	
TAIL GAS						
	RELIEF	1	3	0	0	
	VALVE	1	159	0	0	
			<u>162</u>	<u>o</u>	<u>0</u>	
<u>TF</u>						
	PUMP	1	38	0		
		K.	30	U	0	

	PUMP	2	39	0	
	PUMP	3	39	0	
	RELIEF	1	1	0	
	RELIEF	3	100	0	
	VALVE	1	3	0	
	VALVE	2	5	0	
	VALVE	3	3,441	0	
			<u>3,666</u>	<u>0</u>	9
VACUUM					
	PUMP	1	2	0	
	PUMP	2	2	ō	
	PUMP	3	2	ō	
	RELIEF	1	3	0	
	VALVE	1	494	1	
	VALVE	2	2	0	8
	VALVE	3	1	0	
			<u>506</u>	1	<u>(</u>
VGO					5. -
	PUMP	1	1		
	PUMP	2	1	0	0
	PUMP	3	1	0	0
	RELIEF	1	11	0	0
	VALVE	1	621	0	0
	VALVE	2	4	0	0
	VALVE	3	4	0	0
			643	<u>o</u>	<u>0</u>
<u>VGS</u>				100	2
	PUMP	1	4	0	0
	VALVE	1	1	0	0
			<u>5</u>	<u>o</u>	<u>o</u>
		9 2	32,883	23	

MONROE ENERGY TRAINER REFINERY 1Q2016 PADEP QUARTERLY LDAR REPORT ON DELAY OF REPAIR COMPONENTS

REPORT DATE: APRIL 8, 2016

REPORT COMPLIANCE PERIOD: JANUARY 1, 2016 - MARCH 31, 2016

08029 RELIEF 544 VACUUM 01/14/2016 13510 VALVE BOILERS 9/10 02/24/2016 16169 RELIEF ISOCRACKER 01/26/2016	ΓAG	CLASS	AREA	PLACED ON DELAY
13510 VALVE BOILERS 9/10 02/24/2016	08029	RELIEF	544 VACUUM	
16169 PELIEF 1999 1997	13510	VALVE		
	16169	RELIEF		
3 1123/2010			IGGGRACKER	01/26/2016

3
J

MONROE ENERGY TRAINER REFINERY

1Q2016 PADEP QUARTERLY LDAR REPORT

REMOVED FROM DELAY OF REPAIR (DOR) REPORT: LEAKING COMPONENTS SUBJECT TO PENREF RULE LEAK DEFINITION OF >10,000PPM PLACED ON DOR AND REMOVED

REPORT DATE: APRIL 8, 2016

REPORT COMPLIANCE PERIOD: JANUARY 1, 2016 - MARCH 31, 2016

TAG	AREA	CLASS	PLACED ON DELAY	OFF DELAY
16169	RELIEF	ISOCRACKER	1/26/2016	03/02/2016
			TOTAL OFF DELAY	- 1

MONROE ENERGY TRAINER REFINERY

1Q2016 PADEP QUARTERLY LDAR REPORT

ADDED AND DELETED COMPONENTS

REPORT DATE: APRIL 8, 2016

REPORT COMPLIANCE PERIOD: JANUARY 1 TO MARCH 31, 2016

Compliance Group	Class	Added	Deleted
543 CRUDE	PRESSURE RELIEF DEVICE	0	0
543 CRUDE	PUMP	0	0
543 CRUDE	VALVE	0	0
544 CRUDE	PRESSURE RELIEF DEVICE	0	0
544 CRUDE	PUMP	0	0
544 CRUDE	VALVE	3	7
544 VACUUM	PRESSURE RELIEF DEVICE	0	0
544 VACUUM	PUMP	0	
544 VACUUM	VALVE	2	0
ALKY	PRESSURE RELIEF DEVICE		0
ALKY	PUMP	0	1
ALKY	VALVE	0	0
AMINE	PRESSURE RELIEF DEVICE	74	14
AMINE	PUMP	0	0
AMINE	VALVE	1	0
AWWTP	VALVE	8	0
BLEND	_	0	0
BLEND	PRESSURE RELIEF DEVICE PUMP	0	0
BLEND	VALVE	0	0
BOILER		0	0
BOILER	PRESSURE RELIEF DEVICE	0	0
BOILERS 9 & 10	VALVE	0	0
BOILERS 9 & 10	PRESSURE RELIEF DEVICE	0	0
BUTANE	VALVE	0	0
BUTANE	PRESSURE RELIEF DEVICE	0	0
CRUDE	VALVE	0	0
CRUDE	PRESSURE RELIEF DEVICE	0	0
CRUDE	PUMP	0	0
DESALT	VALVE	0	0
	PRESSURE RELIEF DEVICE	0	0
DESALT	PUMP	0	0
DESALT	VALVE	2	2
DIESEL	COMPRESSOR	0	0
IESEL	PRESSURE RELIEF DEVICE	0	0
IESEL	PUMP	0	0
IESEL	VALVE	0	0
CC	COMPRESSOR	0	0
CC	PRESSURE RELIEF DEVICE	1	3
CC	PUMP	0	0
CC	VALVE	97	
ARE	PRESSURE RELIEF DEVICE	0	108
ARE	PUMP	0	0
ARE	VALVE	0	0
ARE GAS RECOVERY	COMPRESSOR		1
		0	0

FLARE GAS RECOVERY	PRESSURE RELIEF DEVICE	0	0
FLARE GAS RECOVERY	PUMP	1	0
FLARE GAS RECOVERY	VALVE	10	0
ISOCRK	COMPRESSOR	0	0
ISOCRK	PRESSURE RELIEF DEVICE	1	0
ISOCRK	PUMP	0	0
ISOCRK	VALVE	8	2
KERO	COMPRESSOR	0	0
KERO	PRESSURE RELIEF DEVICE	0	0
KERO	PUMP	0	0
KERO	VALVE	0	1
LOWLN	COMPRESSOR	0	0
LOWLN	PRESSURE RELIEF DEVICE	0	0
LOWLN	PUMP	0	0
LOWLN	VALVE	0	0
MARINE	COMPRESSOR	0	0
MARINE	PRESSURE RELIEF DEVICE	0	0
MARINE	PUMP	0	0
MARINE	VALVE	0	0
NAPHTH	COMPRESSOR	0	0
NAPHTH	PRESSURE RELIEF DEVICE	0	0
NAPHTH	PUMP	0	0
NAPHTH	VALVE	0	0
OYF	VALVE	0	0
PLATFO	COMPRESSOR	0	0
PLATFO	PRESSURE RELIEF DEVICE	0	0
PLATFO	PUMP	0	0
PLATFO	VALVE	0	0
PRORCL	PRESSURE RELIEF DEVICE	0	0
PRORCL	PUMP	0	0
PRORCL	VALVE	0	0
PROREC	PRESSURE RELIEF DEVICE	0	0
PROREC	VALVE	0	0
PROSTO	PRESSURE RELIEF DEVICE	0	0
PROSTO	PUMP	0	0
PROSTO	VALVE	0	0
REFORM	PRESSURE RELIEF DEVICE	0	0
REFORM	PUMP	0	0
REFORM	VALVE	0	0
SOUR	PRESSURE RELIEF DEVICE	0	0
SOUR	PUMP	0	0
SOUR	VALVE	0	0
SOUTH TANK FARM	PRESSURE RELIEF DEVICE	0	0
SOUTH TANK FARM	VALVE	21	0
SRU	COMPRESSOR	0	0
SRU	PRESSURE RELIEF DEVICE	0	0
SRU	VALVE	0	0
SUNOL	COMPRESSOR	0	0
SUNOL	PRESSURE RELIEF DEVICE	0	0
SUNOL	PUMP	0	0
SUNOL	VALVE	0	0
TAIL GAS	PRESSURE RELIEF DEVICE	0	0
TAIL GAS	VALVE	0	0
TF	COMPRESSOR	0	0
TE	PRESSURE RELIEF DEVICE	3	0
		54/20	

	TOTAL:	235	170
	VALVE	0	28
WGS	PRESSURE RELIEF DEVICE	0	0
WGS	CONTAINERS , DRUMS, ETC.	0	0
WC		0	0
VT	VACUUM TRUCK	0	1
VGO	VALVE	0	0
VGO	PRESSURE RELIEF DEVICE PUMP	0	0
VGO		0	0
VGO	COMPRESSOR	0	0
VACUUM	VALVE	0	0
VACUUM	PRESSURE RELIEF DEVICE PUMP	0	0
VACUUM	VALVE	3	2
TF	PUMP	0	0
TF	Diviso		